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2. Temperature dependence of the surface tension of amorphous bodies
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435-58 (1946)
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$$6. \frac{d\sigma}{dT} = -\frac{2}{3} \sigma \alpha - \frac{\sigma (c_p - c'_v - \frac{3}{2} R)}{Q} - 0.84 \left( \frac{P}{M^{1/3}} \right)$$

$\alpha$  = coeff of thermal expansion,  $c'_v$  = heat cap at const. vol of gas,  $Q$  = ht of vap. or sub  $\rho$  = dens  $m$  = mol wt.

It ought to be correct to 1%  
Formula checked for  $H_2O$  etc  
including  $O_2$  & A.

1 Sack Trinity mix

2.5 sacks sand

lays 120 bricks

7 brick per sq. ft.

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2. Specific-heat data for evaluation of lime-kiln performance
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6. Formulas for sp. ht. given in BTU  
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a function of  $^{\circ}R$  for number of substances including oxygen. Nomographs for quick det'n of sp hts between any selected temps also

1. Thermo Props. of A
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HOUGEN, Olaf and WATSON, Kenneth M.

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